

## WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7:
C12N 15/62, 15/74, C07K 14/21, 14/00, 14/08, 14/245

A1

(11) International Publication Number:

WO 00/04170

(43) International Publication Date:

27 January 2000 (27.01.00)

(21) International Application Number:

PCT/CA99/00637

(22) International Filing Date:

14 July 1999 (14.07.99)

(30) Priority Data:

2,237,704

14 July 1998 (14.07.98)

CA

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## **Published**

With international search report.

Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: CLEAVAGE OF CAULOBACTER PRODUCED RECOMBINANT FUSION PROTEINS

(57) Abstract

This invention provides a method for cleaving target proteins from <u>Caulobacter S-layer protein under mild acid conditions</u>. A fusion protein secreted by <u>Caulobacter</u> which includes a target protein and a <u>Caulobacter S-layer secretion</u> signal may be cleaved at an aspartate-proline dipeptide without solubilizing the fusion protein. This method may be carried out while the fusion protein is in an insoluble aggregate which facilitates recovery of the protein. This invention also provides a method of preparing a DNA construct for expression of the fusion protein and a method of preparing the fusion protein.